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### [An Approach to a Trustworthy System Architecture Using Virtualization - \\*tu-darmstadt.de \[PDF\]](#)

F Stumpf, M Benz, M Hermanowski, C Eckert - LECTURE NOTES IN COMPUTER SCIENCE, 2007 - Springer

 ... I/O emulation is moved into the **hypervisor** layer ... The **VMM** establishes several different execution environments by using ... of the underlying hardware **TPM** through a ...

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### [\[PDF\] \\*vTPM: Virtualizing the Trusted Platform Module](#)

 R Perez, R Sailer, L van Doorn - [usenix.org](#)

 ... said to be par- virtualized, otherwise the **VMM** is said ... A virtual **TPM** should provide **TPM** services to each vir- tual machine running on top of a **hypervisor**. ...

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### [12 IBM. IBM eServer x366. http://www-03.ibm.com/servers/eserver/xseries/x366.html. 13 IBM. .... - \\*usenix.org \[PDF\]](#)

 S Coprocessing, SH Standard, XOS Hypervisor - IEEE Computer, 2005 - [usenix.org](#)

 ... said to be par- virtualized, otherwise the **VMM** is said ... A virtual **TPM** should provide **TPM** services to each vir- tual machine running on top of a **hypervisor**. ...

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### [\[HTML\] \\*Implementation for Xen](#)

 PHTPMT VM - [usenix.org](#)

 ... virtual **TPM** support for the Xen **hypervisor** [27 ... the two previously discussed solutions of a virtual **TPM**. ... Xen is a **VMM** for paravirtualized operating systems that ...

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### [Building a MAC-Based Security Architecture for the Xen Open-Source Hypervisor - \\*ibm.com \[PDF\]](#)

 R Sailer, T Jaeger, E Valdez, R Caceres, R Perez, ... - [ieeexplore.ieee.org](#)

 ... and its integration into the Xen **VMM** system. ... VMs, isolation of virtual resources, and **TPM**-based attestation ... manage the security policies for the Xen **hypervisor**. ...

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### [Linking remote attestation to secure tunnel endpoints - \\*ibm.com \[PDF\]](#)

 K Goldman, R Perez, R Sailer - Proceedings of the first ACM workshop on Scalable trusted ..., 2006 - [portal.acm.org](#)

 ... physical platform and software through the **hypervisor** and **TPM** partition the ... connecting the AIK to the platform running the **hypervisor** the self ... **VMM-Hypervisor** ...

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### [Enabling platform network stack control in a virtualization platform](#)

 SL Grobman - US Patent App. 10/954,905, 2004 - [Google Patents](#)

 ... In a **hypervisor** model, multiple operat- ing systems may be run in VMs as peers on ...

 If a virus maliciously modifies the **VMM**, **TPM** will not allow the **VMM** to launch ...

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### [Trust Maintenance Toward Virtual Computing Environment in the Grid Service](#)

D Wang, A Wang - LECTURE NOTES IN COMPUTER SCIENCE, 2008 - Springer

... Page 6. Trust Maintenance Toward Virtual Computing Environment in the Grid Service

 171 **TPM Hypervisor VMM** Virtual Machine Monitor **TPM**-PROXY Meas. ...

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[PDF] [Enhancing Trusted Platform Modules with Hardware-Based Virtualization Techniques](#)

F Stumpf, C Eckert - 2008 - sec.informatik.tu-darmstadt.de

... 16] and the other on the Xen **hypervisor** [9]. These ... vmentry and the transition back to the VMM is called ... But in contrast to directly integrating a TPM into the ...

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[A hypervisor-based system for protecting software runtime memory and persistent storage](#)

P Dewan, D Durham, H Khosravi, M Long, G ... - Proceedings of the 2008 Spring simulation multiconference, 2008 - portal.acm.org

... In virtualization systems, the VMM maintains a separate set of page ... known to the **hypervisor**) can be bootstrapped from TPM when the **hypervisor** is launched. ...

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Key authors: [R Sailer](#) - [R Perez](#) - [L van Doorn](#) - [S Berger](#) - [T Jaeger](#)

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